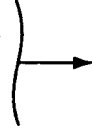


ht1R1	1	ht1R1	1	ht1R1	120	SLPG	---	QHEHEDGELLHHSF	---	TVIAVIGPDSINRAVITAMLLISPELMPVSTVAFSSEITSSVKQYQPSHRTIPLNDKYVWVITMLTQVGMWTSLSVSSDDVGOIVQVATENCNGO	---	236							
rt1R1	1	rt1R1	1	rt1R1	119	ALQG	---	PHHIFQDLNRHSS	---	KVAVETGPMIDHAYITATLIGPEIMELLYSTASSVMSAKKEPSESRVPSDPRQVEMVMVLOSGMWNLSLISYCDGGOIVQVATENCNGO	---	235							
ht1R2	1	ht1R2	1	ht1R2	116	AHE	---	IMLHIGEDVSNITS	---	RVAVIGPDSINSESVITVAVFELSHLIPQIYVSTISIDRDVREPAILRIPSSADHITICANVOIMLHFAHIVVSSDUGRNGOILGERVAP	---	231							
rt1R2	1	rt1R2	1	rt1R2	119	QOD	---	IDLHILKDYSONV	---	HVAVIGPDSINSESVITVAVFELSHLIPQIYVSTISIDRDVREPAILRIPSSADHITICANVOIMLHFAHIVVSSDUGRNGOILGERVAP	---	235							
ht1R3	1	ht1R3	1	ht1R3	118	KZAG	---	SRLJAYONVQIQH	---	RVAVIGPDSINSESVITVAVFELSHLIPQIYVSTISIDRDVREPAILRIPSSADHITICANVOIMLHFAHIVVSSDUGRNGOILGERVAP	---	234							
rt1R3	1	rt1R3	1	rt1R3	118	AKVG	---	SOSJAYONVQIQH	---	RVAVIGPDSINSESVITVAVFELSHLIPQIYVSTISIDRDVREPAILRIPSSADHITICANVOIMLHFAHIVVSSDUGRNGOILGERVAP	---	234							
mGlur1	124	RDSLSIRDEKGNRCLPDGQTLPEGRKKPKIACVIGHGSSSVATQVNLLOLEDIPQIAYVSNITSDSDTYLKYELRVPSITIQARAMDIVKRYMTVMSAVHTEGNGVGSNDAAKEHIAQOE	---	252															
ht1R1	237	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
rt1R1	236	ICIAHOGIMFSPQVIG	---	DER	---	MOSMOLHAG	---	ARTIVVAVFSSNRHLARVETTESVMDINLHGNVAVAS	---	SEDAWLSITVTSVIGLOGIVIGVAVOQVOPVPELKEHFAHESYVR	---	353							
ht1R2	232	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
rt1R2	236	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
ht1R3	235	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
rt1R3	235	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
mGlur1	253	ICIAHOGIMFSPQVIG	---	DER	---	MOCMLRILAG	---	AGIVVAVFSSROLARVETTESVMDINLHGNVAVAS	---	SEAWLSRHHITGVPQIORIQVIGVATOKRAVPELKAHFAHAYAR	---	354							
ht1R1	355	G	---	SWGSSVOIGRECOAFMAHTMPKAFS	---	MSA	---	MAVAVATVAVAVHGHQILGCA	---	SCAGSR	---	GNVAPQOILHQAHLKVKHFL	---	THKDVAFVNDNRPLSSN	---	ITADNGCKW	---	TTVTVL	466
rt1R1	354	G	---	SWGSSVOIGRECOAFMAHTMPKAFS	---	MSA	---	MAVAVATVAVAVHGHQILGCA	---	SCAGSR	---	GNVAPQOILHQAHLKVKHFL	---	THKDVAFVNDNRPLSSN	---	ITADNGCKW	---	TTVTVL	466
ht1R2	356	S	---	YTG	---	NOBODCLNATISFNTIIPISG	---	ERWMSVSAVAVAHALHSLIGOD	---	KSTQTK	---	RVWEPWQHHEHFNKNVFT	---	ILDHOLIEDPQGVALHLEIVQOWDISON	---	HFOSV	---		465
rt1R2	360	R	---	TTG	---	NOBODCLNATISFNTIIPISG	---	ERWMSVSAVAVAHALHSLIGOD	---	KSTQTK	---	RVWEPWQHHEHFNKNVFT	---	ILDHOLIEDPQGVALHLEIVQOWDISON	---	HFOSV	---		465
ht1R3	356	EREQLEEDVVGPOPOCDITLONVSAGLN	---		---		---	HCOTFSWAAYVSQAQHNHILQCV	---	HQTS	---	WAAYVSQAQHNHILQCV	---		---		---		471
rt1R3	355	-AELDLERVNGPPQSOQDYIMLONLSSGLMOWLSAQOLHGHIFATVAVYSQAQHNHILQCV	---		---		---	HCOTFSWAAYVSQAQHNHILQCV	---	HQTS	---	WAAYVSQAQHNHILQCV	---		---		---		471
mGlur1	374	HR	---	FQGRILPGHLLINPAAKVKCTGNESJENYVO	---	DS	---	MGHJINATVAMHGHGIMHHALCPGHVGIQAMKIEDGRKLIDFLKSGVGVSEEMHEKGPDPQDMMLOYTEANRVDYVM	---		---		---		---		---		497

FROM FIG. 1A



hTIR1 467 GSSTWSPVQINENIKIOWHGKDNVVRKSVSSDCTPHOR-VIIGFHCCCECFQAGGFIAT-KSDLYRCOPCKEFAPESSOTCPPIVETALREHTSWIWAANTIIILITLCTAGIETAMIIIT 594  
 rTIR1 466 CSASLSPVHIDUNKIOHGNNOVPYSVCTTDCIACHP-VAGSHCCCECFQEPAGFIAT-MSELHICOPCGTEWAKESTICPPRIITELANHEISLIIANTIIILIALVGTAGIETAMIIIT 593  
 hTIR2 466 ASYPLORQIKN-TODISHEIMANNITPASNCRKCOSONA-KPVGIIHCCCEQIDLPFGFIANTEDTECOQPNLEWYSEIISCRQOLVFLAWHEPATIAVALDAGLSTETAMIIITHEWRHEQI 593  
 rTIR2 470 ASISPTSKRUTY-INNVSMHIFNNMIPVSMCKSCAPGOM-KSVCLHPCCEHQQIDOMFGHILARSADENQISOPGSMVSYNDIITICORRPTELEWHEVPIILWATIIALGFSIATIIIEHWRHEQI 597  
 hTIR3 472 GFEN-GSLRTER--LKEIMHISDOKPVRRCROCDGOMR-RVKGHSCQVDVDFQASVRO-NPDIAOTFCODEKSPESSTRCHRRSRFLANGEPAMIIILILSLATGIMANLGFEVHHRDS 596  
 rTIR3 479 GFEN-CTIOTQH--SOMVAPG--NOVRVSCROOKDGMR-RVKGHSCQVDVDFQASVYRK-HPDFTQIECGKDOAKSPESITICIPREPKEIANGEPAMISIIILICIMICETAMIIILGFEVHHRDS 601  
 mGluR1 498 GTWH--EGVINDDKIQANK--SGMVRSCSEPIKCOIIVIRKGVSCVITQAKENEIVQ--DETQRAQDILGMPNABICCHPIPRVLENSDIESIIATIFSCIGIIVITFIITIIILVPIV 620  
  
 hTIR1 595 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 722  
 rTIR1 594 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 721  
 hTIR2 594 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 721  
 rTIR2 598 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 726  
 hTIR3 597 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 724  
 rTIR3 602 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 729  
 mGluR1 621 PARSAGRIICFMIGSUAAGSGSLYGHFCEPFRPACILIRQALFNIGFHEISQIARSQI.IITIKFSIKMPFFVHAMVONFGAGTFVM-TSSAAGIITICITIMVVTPIPA-REYORHPIITVTECTE 748  
  
 hTIR1 723 TNSIGTILAPLNGHISLSAFACSILGQDLPENVEAKOMTSTILENFMVSAFRTITASWDGNTIPANMAGISSLSSGFGCVHFKGWIICRDIASIEHFOASTODVTRCGST----- 841  
 rTIR1 722 VMSVGNLAFTHNITLSSTIFVCSILGQDLPENVEAKOMTSTILENFMVSAFRTITASWDGNTIPANMAGISSLSSGFGCVHFKGWIICRDIASIEHFOASTODVTRCGST----- 840  
 hTIR2 723 NYRNSHIFNTSLDILASVQESPMGGLPYNVEAKOMTSTILENFMVSAFRTITASWDGNTIPANMAGISSLSSGFGCVHFKGWIICRDIASIEHFOASTODVTRCGST----- 839  
 rTIR2 727 NYRNGHIFNTSMDLASVQESPMGGLPYNVEAKOMTSTILENFMVSAFRTITASWDGNTIPANMAGISSLSSGFGCVHFKGWIICRDIASIEHFOASTODVTRCGST----- 843  
 hTIR3 725 RSMVSGIATATATIAFICELGTEIVRSQGRNARGITFMANTFHWSEVELANVQWILRPANVQVCAIIEICVLGIIAATFIETCYLLMRQELNITEFEELGGGPDQAQGDNDGN-TGNOGKHE 852  
 rTIR3 730 RSMVSGIATATATIAFICELGTEIVRSQGRNARGITFMANTFHWSEVELANVQWILRPANVQVCAIIEICVLGIIAATFIETCYLLMRQELNITEFEELGGGPDQAQGDNDGN-TGNOGKHE 858  
 mGluR1 749 SI-IGVAPVGNGLIITISQTYVAKTRNVPAFNEAKVATFIITMYTTOILITAEVLYFGSN--VKIITICFVASTSVTVALCCMETPRKMYIITAKERN----- 845

FIG. 1B